

Rat Fatty Acid Transport Protein 1 (FATP1) ELISA Kit | FATP1 elisa kit

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CATALOG #
AAA129525

REACTIVITY
Rat

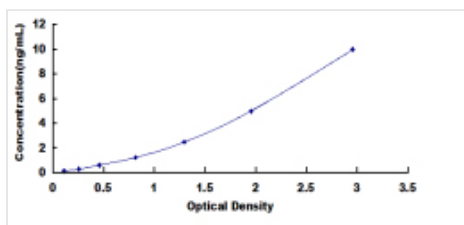
PRODUCT SYNONYMS

Fatty Acid Transport Protein 1 (FATP1); Rat Fatty Acid Transport Protein 1 (FATP1) ELISA Kit; SLC27A1; ACSVL5; FATP; Long-Chain Fatty Acid Transport Protein 1; Solute Carrier Family 27 Member 1; Fatty Acid Transporter; FATP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Fatty Acid Transport Protein 1 (FATP1). No significant cross-reactivity or interference between Fatty Acid Transport Protein 1 (FATP1) and analogues was observed.
Sequence Length	646
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Fatty Acid Transport Protein 1 (FATP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Fatty Acid Transport Protein 1 (FATP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FATP1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Fatty Acid Transport Protein 1 (FATP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fatty Acid Transport Protein 1 (FATP1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Fatty Acid Transport Protein 1 (FATP1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Fatty Acid Transport Protein 1 (FATP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FATP1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	85687534
NCBI GeneID	426008
Molecular Weight	72,599 Da
NCBI Official Full Name	fatty acid transport protein-1
NCBI Official Synonym Full Names	solute carrier family 27 (fatty acid transporter), member 1
NCBI Official Symbol	SLC27A1
NCBI Protein Information	long-chain fatty acid transport protein 1
UniProt Protein Name	Fatty acid transport protein-1
UniProt Entry Name	Q2L7E6_CHICK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/fatty-acid-transport-protein-1-fatp1/129525>